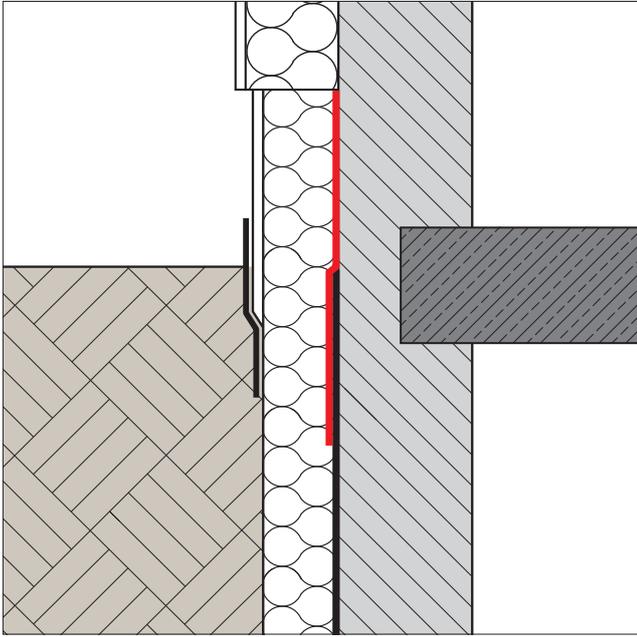


# Instruction sheet plinth waterproofing

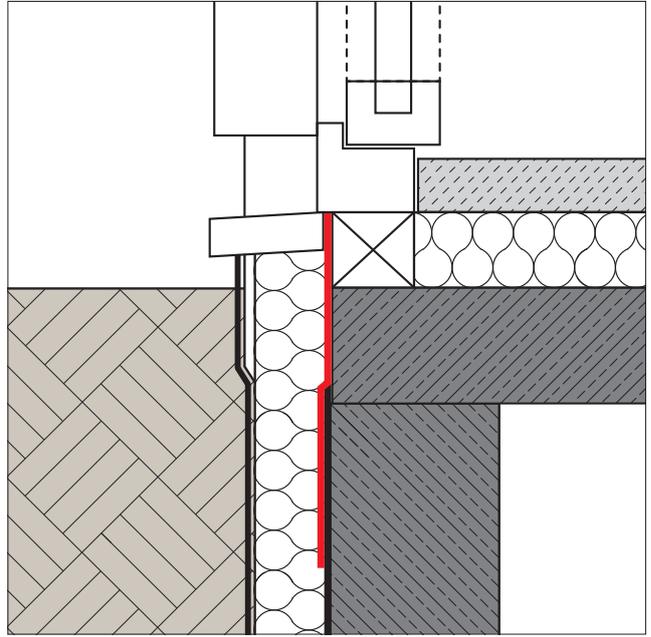
Waterproofing of plinths with floor-to-ceiling windows in monolithic masonry work with WDVS



# Application area



**Plinth waterproofing**



**Waterproofing of floor-to-ceiling windows**

## **Abstract**

The waterproofing of wall plinths as well as ground-level built-in elements is done according to DIN 18533 Part 1 for the water influence class W4-E. As waterproofing material, the multifunctional building waterproofing Remmers MB 2K is applied. MB 2K is tested as crack-bridging mineral waterproofing slurry (PG-MDS) and is therefore approved to use according to the standard of water influence class W4-E.

## **Performance**

For the water influence class W4-E splash water on the wall plinth, the waterproofing is to be applied from 200 mm below up to at least 300 mm above top ground surface. At the final state, the waterproofing height shall not undercut a finished size of 150 mm.

# Waterproofing of plinths with floor-to-ceiling windows in monolithic masonry work with WDVS



## Preliminary work for plinth waterproofing:

### 1 Preparing the substrate

Remove cement paste and any components that reduce the adhesion. For concrete substrates, expose coarse graining. Remove dust from the cleaned surface.

Close unevennesses and flaws > 5 mm with WP DS Levell. Chamfer outside corners.

Consumption: approx. 1.9 kg/l.



### 2 Primer

Apply a primer of Kiesol MB with a tassel/ mud brush or pressure sprayer on the cleaned substrate and let it dry.

Consumption: approx. 0.1 - 0.2 ml/ m<sup>2</sup>



### 3 Apply scratch coat

Apply the scratch coat of MB 2K on the primed substrate with a trowel. Close flaws of < 5 mm.

Consumption: approx. 0.5 kg/ m<sup>2</sup>



## Preliminary work for element waterproofing:

### 4 Preparation of substrate

Lightly sand the profile with sandpaper (grain size P40) on the area that will be waterproofed. Wipe the substrate damply and clean afterwards with thinner V 101. Attention: the thinner may attack the surface. Test on a sample area! Mask window frames to protect them from dirt.



### 5 Apply contact layer

Apply a thin layer of MB 2K evenly on the window frame / compensation profile (side-wise and underneath).

Consumption: approx. 0.5 kg / m<sup>2</sup>



### 6 Including joint tape in the transition area between masonry / base plate and built-in element

Apply MB 2K with a tassel / whitewash brush or a smoothing trowel on the dry contact layer. Afterwards, insert the tape VF 120 / VF 250 bubble-free into the fresh waterproofing with a roller or brush.

Consumption MB 2K: 1.1 kg / m<sup>2</sup> each mm dry layer thickness.



### 7 Installing joint tape for inner and outer corners

Apply MB 2K with a suitable tool in the corner areas and install the inner and outer corners Tape VF IC 100 / EC 75 into the fresh waterproofing.



#### Application of waterproofing:

##### **8 Apply first waterproofing layer of plinth waterproofing**

Apply the first layer of waterproofing with MB 2K evenly with a layer thickness trowel or tassel/ whitewash brush.



##### **9 Apply second waterproofing layer**

Apply the second layer of MB 2K as soon as the first one cannot be damaged anymore.  
Consumption: 2.2 kg / m<sup>2</sup> for > 2 mm dry layer thickness



##### **10 Waterproofing of element transition area**

Completely cover the joint tapes of the Tape VF series with MB 2K in two working steps.  
Total dry layer thickness > 2 mm.  
Consumption: 2.2 kg / m<sup>2</sup> for > 2 mm dry layer thickness



##### **11 Protection of waterproofing**

During the building construction, protect the dry waterproofing from mechanical damage.



**Products used:**

**WP DS Levell**

Waterproofing filler with high sulphate resistance

Item no. 0426 grey



**Kiesol MB**

Special primer

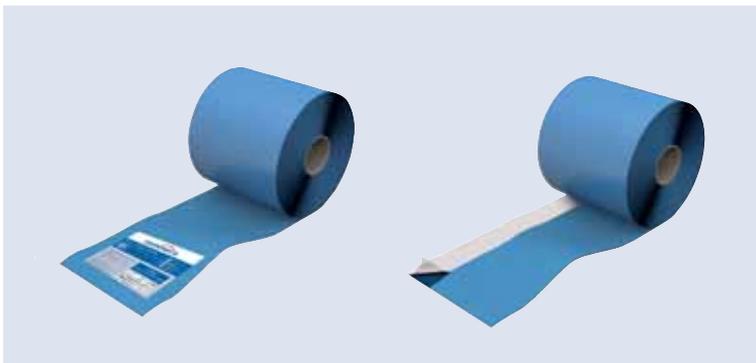
Item no. 3008



**MB 2K**

Multi-functional building waterproofing. Combines the properties of flexible and crack-bridging mineral waterproofing grouts (MWG; AbP as per PG-MDS/FPD) and bitumen thick coatings (PMBC; U report according to DIN EN 15814)

Item no. 3014



**Tape VF**

High-quality, premium waterproofing tape based on nitrile rubber and coated with non-woven fabric.

Item no. 5071

**Tape VF 250 XA**

High-quality premium sealing tape with a non-woven coating on an NBR base with 30 mm self-adhesive strips

Item no. 4803



**Thinner V 101**

Cleaning and thinning agent

Item no. 0978

For further information on the application of the products visit [www.remmers.com](http://www.remmers.com)